

Figure 1

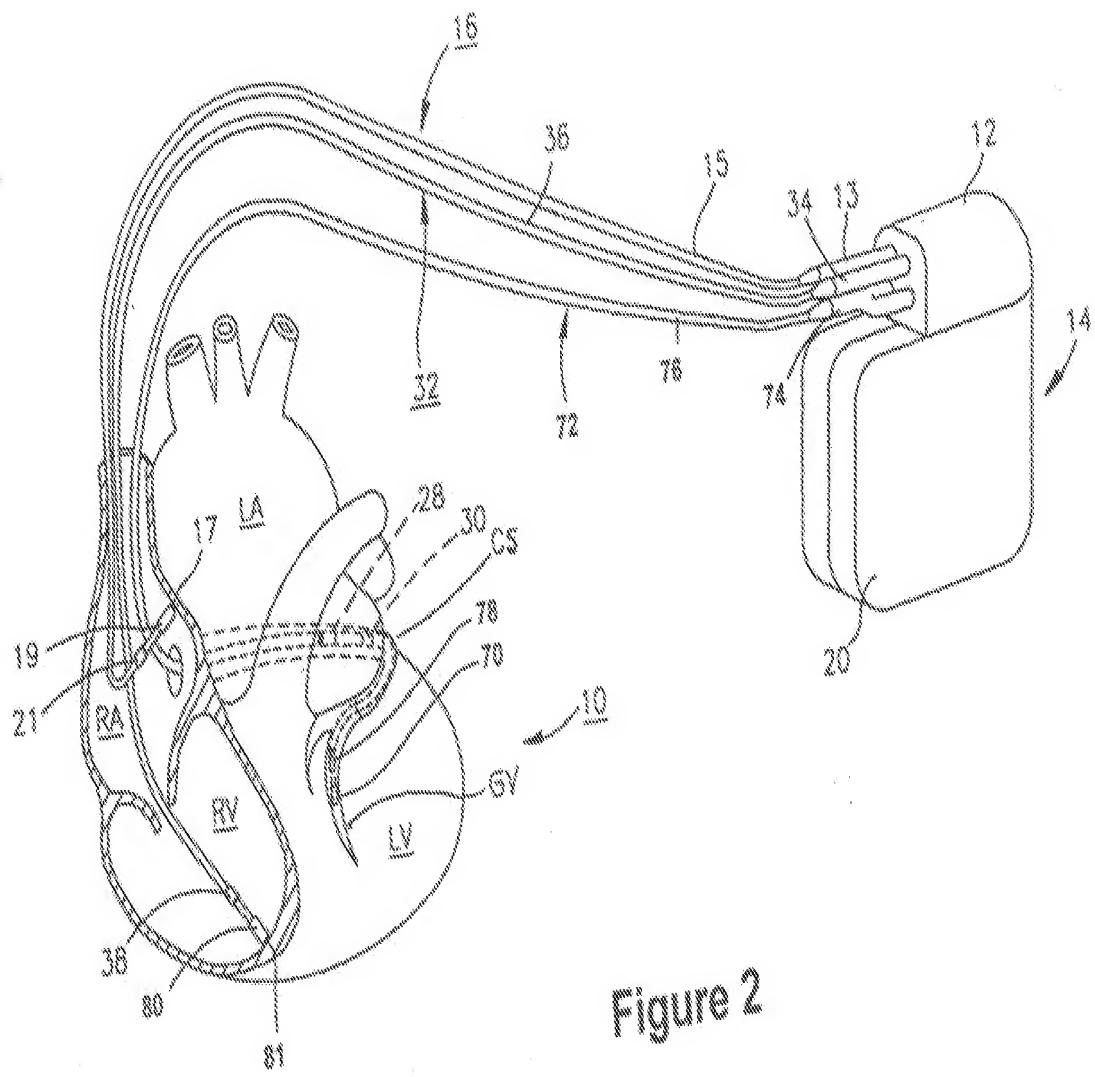


Figure 2

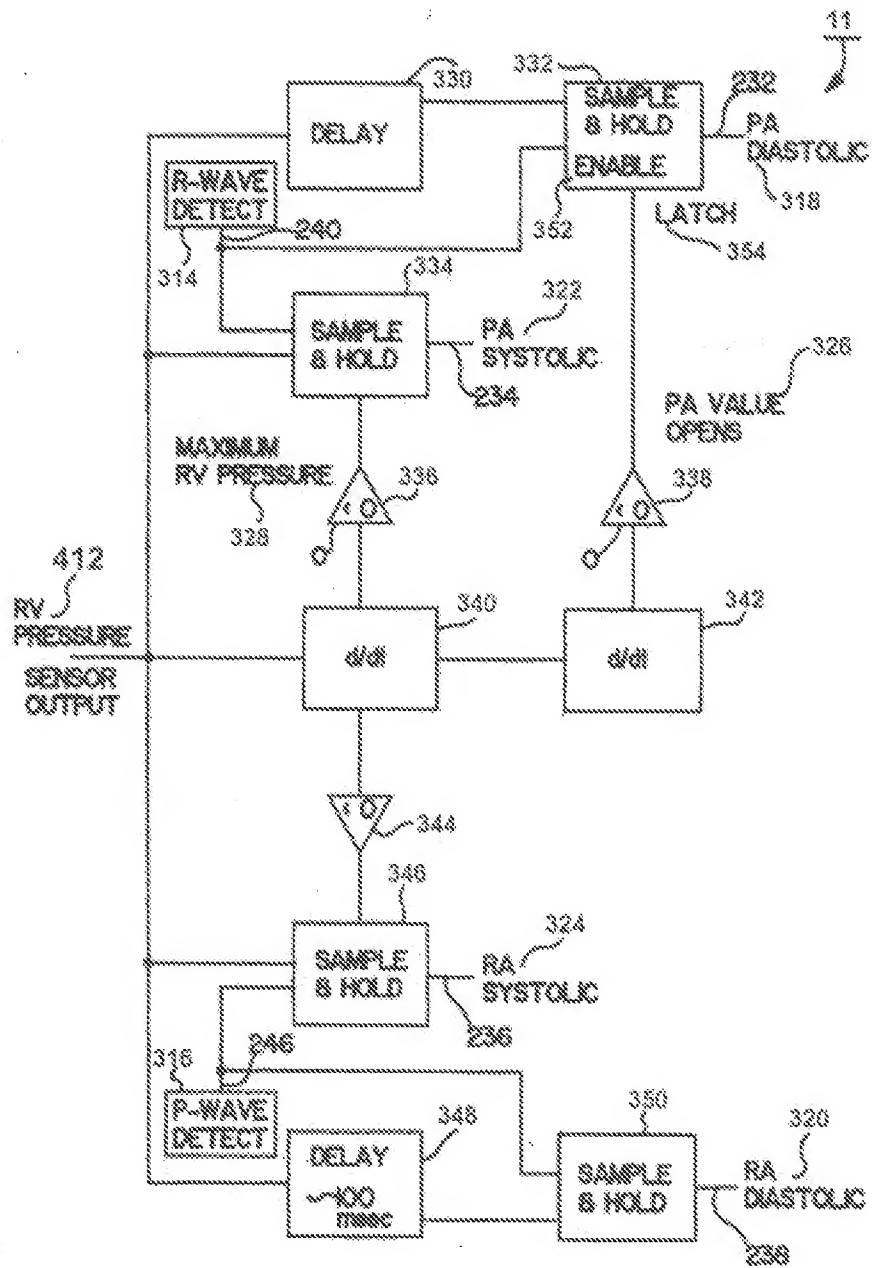


Figure 3

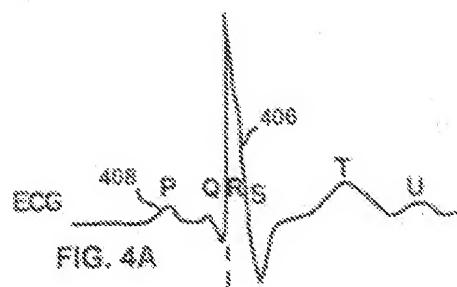
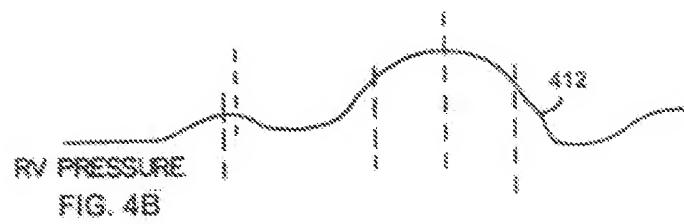


FIG. 4A



RV PRESSURE  
FIG. 4B

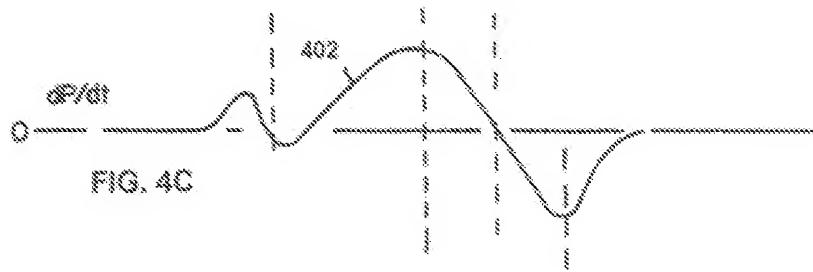


FIG. 4C

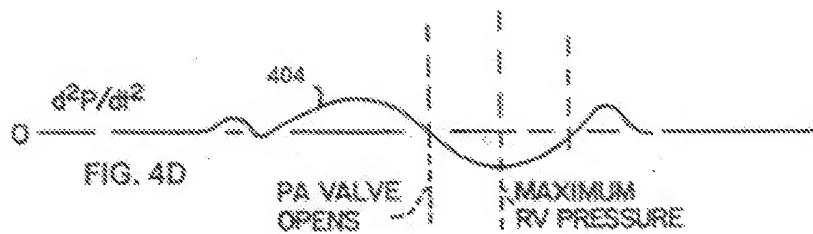


FIG. 4D

Fig. 6A

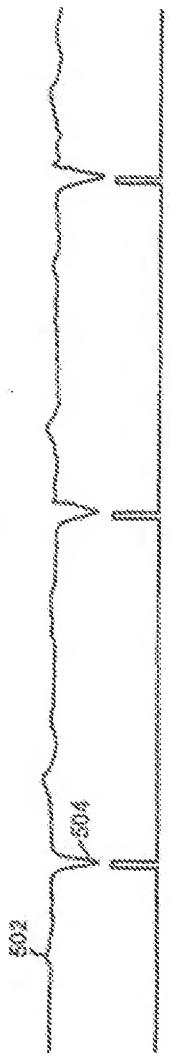


Fig. 6B

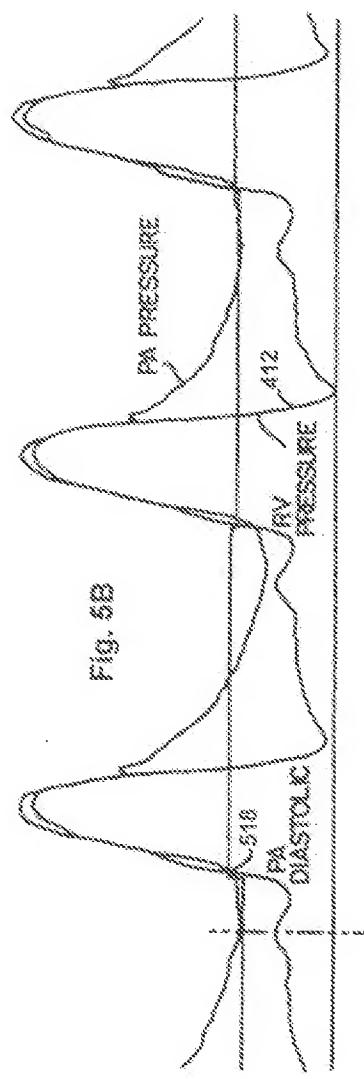
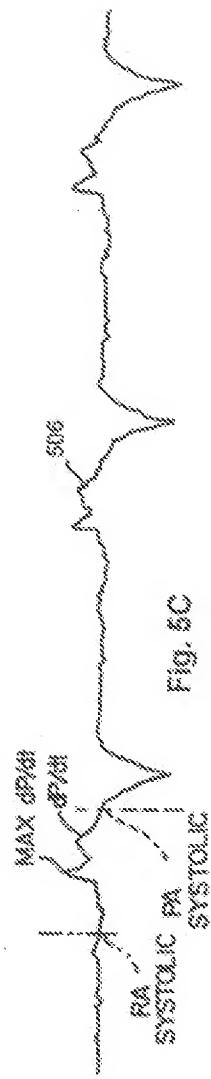


Fig. 6C



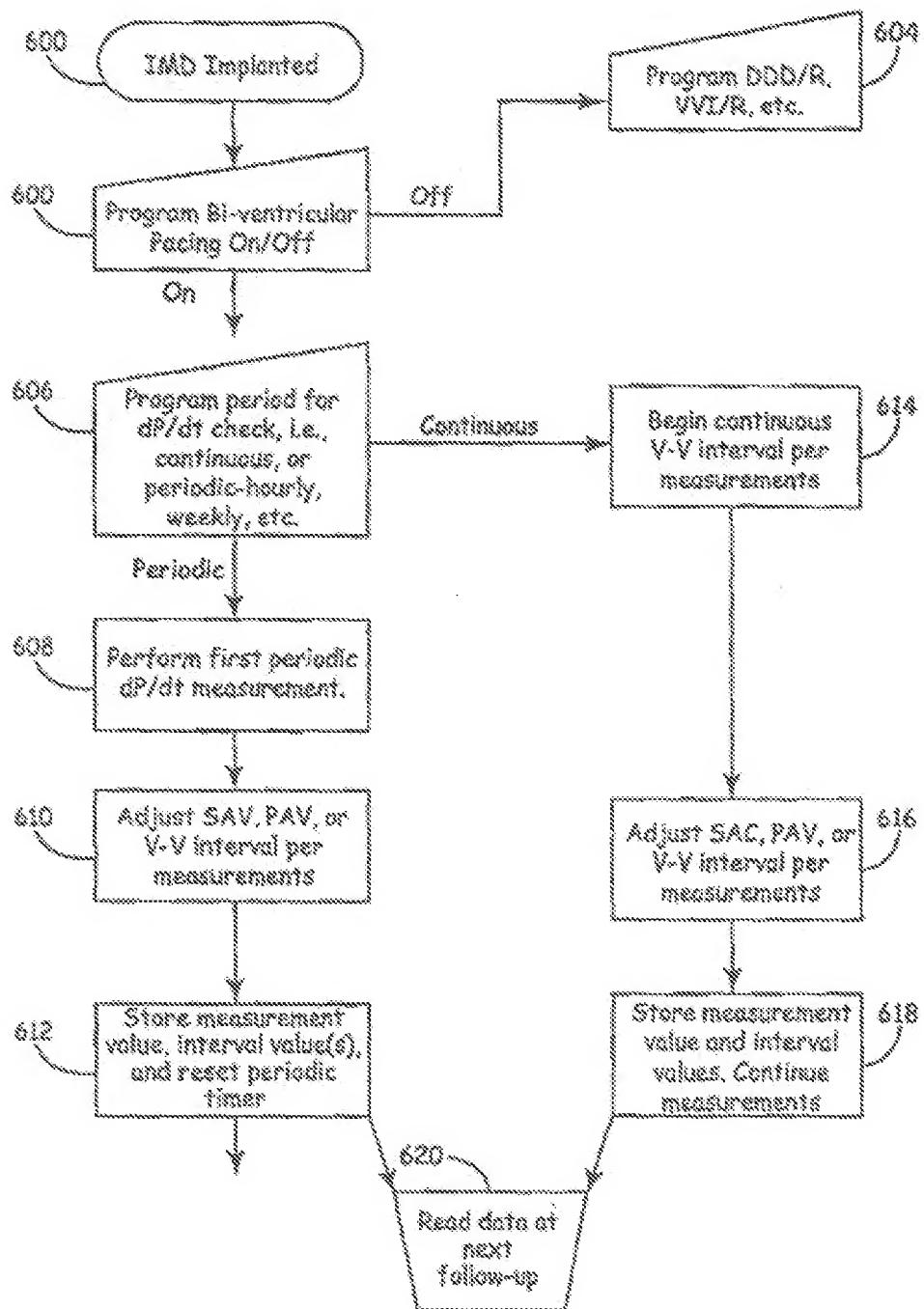


FIG. 6

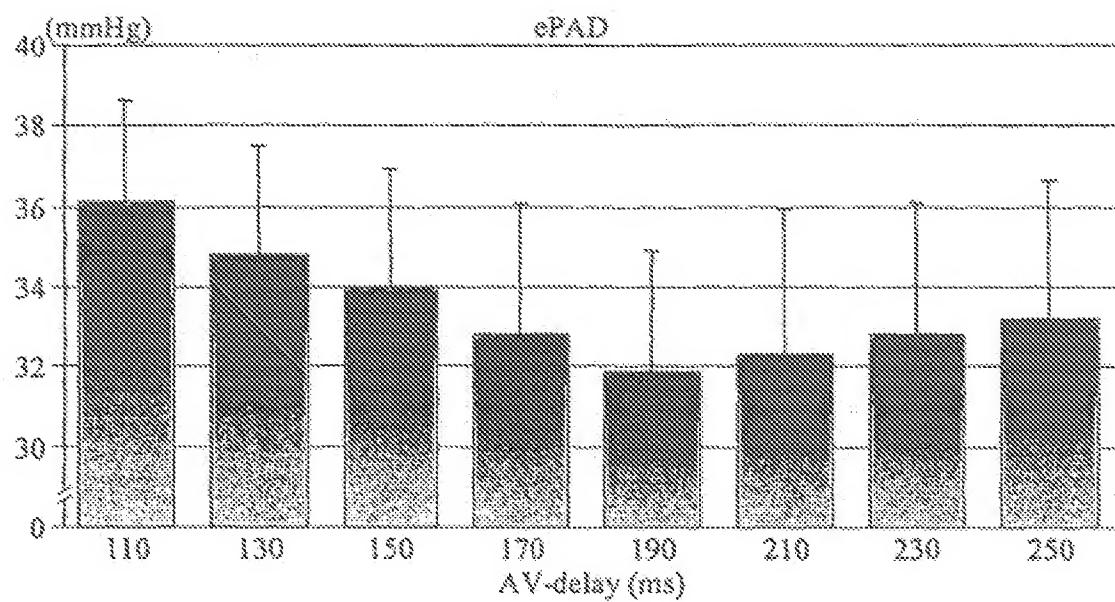


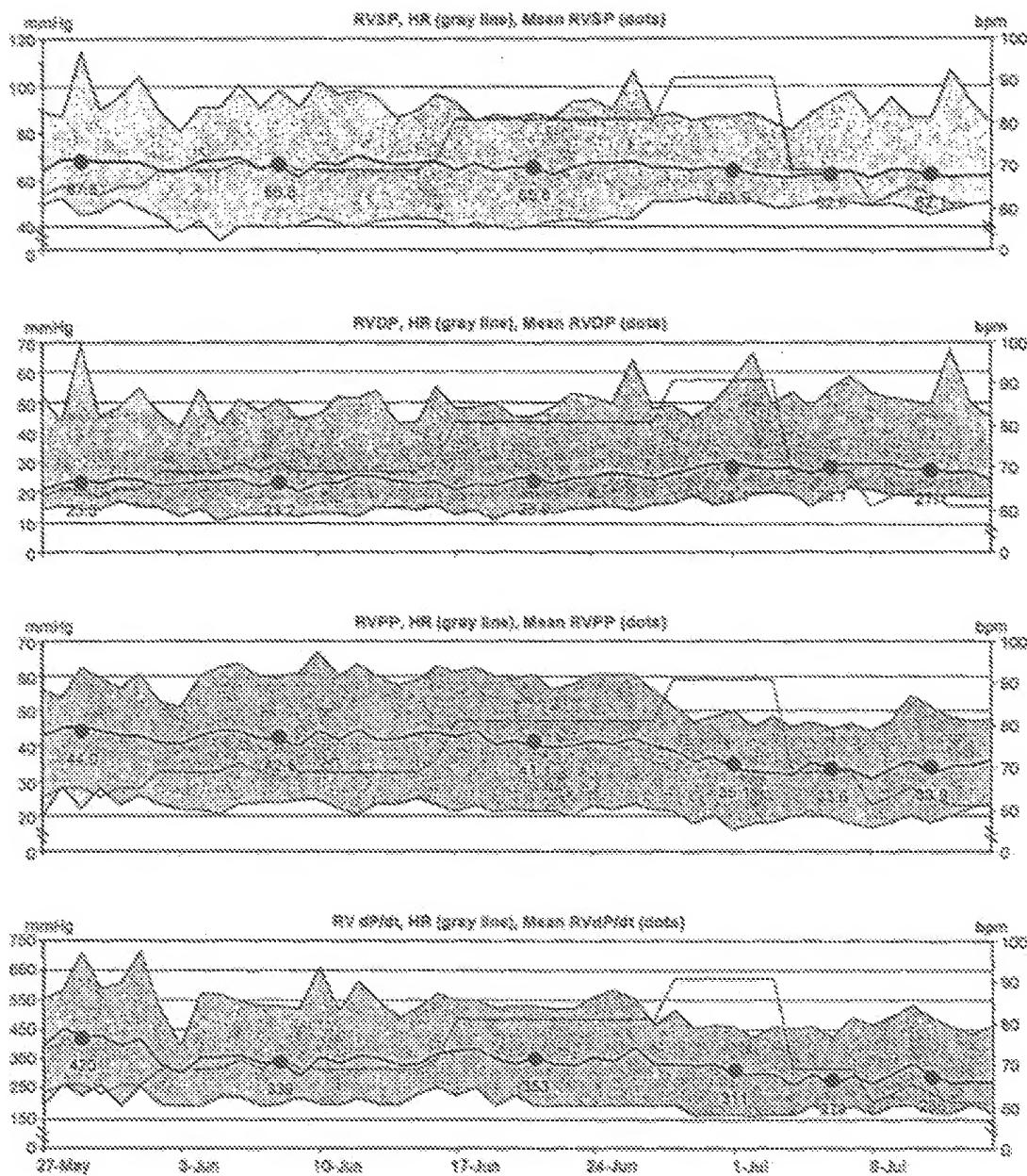
FIG. 7

Heart Rate optimization

HR (bpm)	RVSP (mmHg)	RVDP (mmHg)	RVPP (mmHg)	Pos dP/dt	
				(mmHg/sec)	ePAD (mmHg)
<b>Spont</b>					
40	52.3	17.6	34.0	224.6	30.6
50	53.6	18.1	34.9	223.5	31.1
60	52.1	17.7	33.6	231.3	30.1
70	53.5	16.3	37.2	267.5	30.2
80	52.7	14.3	36.9	301.2	29.8
90	51.8	12.8	37.5	307.0	28.3
100	50.1	12.2	36.3	341.1	26.8
110	48.5	12.3	34.9	369.5	26.5

HR=heart rate, RVSP=right ventricular systolic pressure, RVDP=right ventricular diastolic pressure, ePAD=estimated pulmonary artery diastolic pressure, RVPP=right ventricular pulse pressure

FIG. 8



**FIG. 9**